

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

DFLAT

RRID:SCR_010738

Type: Tool

Proper Citation

DFLAT (RRID:SCR_010738)

Resource Information

URL: <http://bcb.cs.tufts.edu/dflat/>

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Description: We are an interdisciplinary team dedicated to annotating gene function related to human fetal development. We are contributing new functional annotation to the Gene Ontology, curating and mining gene sets suitable for the interpretation of developmental genomic data, and creating the computational tools needed to apply genomics for better understanding the molecular mechanisms of human development. Our GO annotation is in the process of being incorporated into the GOA public release. The GONE (Gene Ontology Non-Eligible) database is where we store annotations relevant to our research but that don't quite meet GOA's standards. Usually an annotation falls into this category because either the gene/protein described is a family of genes/proteins rather than a specific one, there is no UniProt ID to identify the gene/protein in the system, a GO term does not yet exist to describe the particular function, process, or location of the gene/protein, the species is not clearly identifiable in the paper, or the evidence is not as reliable (GO evidence codes TAS and NAS). As individual annotations these are more suspect than current GO annotation. However, for functional analysis of expression data, these gene sets can be valuable even with a certain amount of noise. We also include here a link to the supplementary data from our forthcoming PSB 2011 paper on gene set mining.

Abbreviations: DFLAT

Synonyms: Developmental Functional Annotation at Tufts

Resource Type: narrative resource, data set, data or information resource, standard specification

Defining Citation: [PMID:21121032](#)

Keywords: human, fetal, development

Funding: NICHD R01 HD058880

Resource Name: DFLAT

Resource ID: SCR_010738

Alternate IDs: nlx_95610

Record Creation Time: 20220129T080300+0000

Record Last Update: 20260728T043342+0000

Ratings and Alerts

No rating or validation information has been found for DFLAT.

No alerts have been found for DFLAT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Tarca AL, et al. (2020) Amniotic fluid cell-free transcriptome: a glimpse into fetal development and placental cellular dynamics during normal pregnancy. BMC medical genomics, 13(1), 25.

Gomez-Lopez N, et al. (2019) The Cellular Transcriptome in the Maternal Circulation During Normal Pregnancy: A Longitudinal Study. Frontiers in immunology, 10, 2863.